

Title (en)
Charging system for a combustion engine

Title (de)
Aufladesystem für Brennkraftmaschine

Title (fr)
Système de charge pour moteur à combustion interne

Publication
EP 2006506 A1 20081224 (DE)

Application
EP 07110901 A 20070622

Priority
EP 07110901 A 20070622

Abstract (en)
The system has a set of exhaust gas turbochargers connected with an electrical machine (M) and provided with a variable turbine stator geometry. One of the turbochargers is not connected with the electrical machine and provided with the geometry. A subset of the turbochargers is coupled with the electrical machine and provided with the geometry. The other turbochargers are not coupled with the electrical machine and provided with the geometry. An exhaust-gas catalytic converter is arranged before or after a turbine.

Abstract (de)
Bei einem Aufladesystem für Brennkraftmaschinen (10) mit mehreren Abgasturboladern werden elektrische Maschinen (M), welche an die Abgasturbolader gekuppelt sind und verstellbare Leitapparate der Turboladerturbinen (31) kombiniert. Dadurch kann die Anzahl der benötigten elektrischen Maschinen und verstellbarer Leitapparate reduziert werden.

IPC 8 full level
F02B 37/007 (2006.01); **F02B 37/04** (2006.01); **F02B 37/10** (2006.01); **F02B 37/22** (2006.01); **F02B 37/24** (2006.01); **F02B 39/10** (2006.01)

CPC (source: EP)
F02B 37/007 (2013.01); **F02B 37/04** (2013.01); **F02B 37/10** (2013.01); **F02B 37/22** (2013.01); **F02B 37/24** (2013.01); **F02B 39/10** (2013.01); **F02B 37/013** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)
• [A] EP 1275832 A2 20030115 - BAYERISCHE MOTOREN WERKE AG [DE]
• [A] US 6651432 B1 20031125 - GRAY JR CHARLES L [US]

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CN104675512A; GB2526090A; GB2526090B; EP2273085A1; FR2947860A1; WO2012113425A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 07110901 A 20070622; CN 200880021458 A 20080623; EP 08774220 A 20080623; EP 2008057953 W 20080623; JP 2010512714 A 20080623; KR 20107000071 A 20080623